

Oral Presentations by First Author

Student presenters' names are in *italics*.

Note: Author lists are based on abstracts as originally submitted. In some cases, the actual presenter at the conference may have been other than the first author.

Ahearn, D.S. and R.A. Dahlgren

Land, Air and Water Resources, University of California, Davis, CA 95616

dsahearn@ucdavis.edu

Nutrient Export Following Removal of a Low-Head Dam, Murphy Creek, California

Aiken, G.

U.S. Geological Survey, Boulder, CO 80303

graiken@usgs.gov

Carbon, Sulfur and Mercury-A Biogeochemical Axis of Evil

Allen, P., B. Hodge, & J.J. Cech, Jr.

Department of Wildlife, Fish, and Conservation Biology, and the Center for Aquatic Biology and Aquaculture, University of California, Davis, CA 95616

pjallen@ucdavis.edu

Towards Protecting Sacramento-San Joaquin Watershed Green Sturgeon: Swimming Performance Relationships with Seawater Tolerance and Temperature

Alpers¹, C.N., M.P. Hunerlach¹, M. Marvin-DiPasquale², N.P. Snyder^{3, 4}, and D.P. Krabbenhoft⁵

¹U.S. Geological Survey (USGS), Placer Hall, 6000 J Street, Sacramento, CA 95819

²USGS, MS 480, 345 Middlefield Road, Menlo Park, CA 94025

³Dept of Geology and Geophysics, Boston College, 140 Commonwealth Ave., Chestnut Hill, MA 02467

⁴USGS, 400 Natural Bridges Drive, Santa Cruz, CA 95060

⁵USGS, 8505 Research Way, Middleton, WI 53562

cnalpers@usgs.gov

Mercury and Methylmercury in the Upper Yuba River Watershed: Fluvial Transport and Reservoir Sedimentation

Anderson, J.

CA Dept. of Water Resources, 1416 Ninth Street, Room 215-17, Sacramento, CA 95814

jamieand2004-dwr@yahoo.com

Impacts of Climate Change on Management of California's Water Resources: Part III-Delta Water Quality

Anderson¹, S.L., A.J. Brooks³, G.N. Cherr¹, R.M. Higashi², S.G. Morgan¹, R.M. Nisbet³ and R.S. Carr⁴

¹Bodega Marine Laboratory (BML), PO Box 247, Bodega Bay, CA 94923

²Center for Health & Environment, University of California, Davis (UCD), One Shields Avenue, Davis, CA 95616

³Marine Science Institute, University of California, Santa Barbara (UCSB), Santa Barbara, CA 93106

⁴US Geological Survey (USGS), Columbia Environmental Research Center, Marine Ecotoxicology Research Station, Texas A&M University-Corpus Christi, NRC Suite 3200, 6300 Ocean Drive, Corpus Christi, TX 78412

susanderson@ucdavis.edu

Integrating Indicators of Toxicant Exposure and Effect in Salt Marsh Species: Complementing the Eco-Risk Paradigm

Andrews, E.S. and P.B. Williams

Philip Williams & Associates, Ltd. (PWA), 720 California St., Suite 600, San Francisco, CA 94108

e.andrews@pwa-ltd.com

Functional Floodplains: How Much Do We Have Now, How Much Can We Restore?

Ashley, R.P. and J.J. Rytuba

U.S. Geological Survey (USGS), Menlo Park, 345 Middlefield Rd. Mail Stop 901, Menlo Park, CA 94025

ashley@usgs.gov

Mercury Associated With Gold Dredge Tailings in the Clear Creek and Trinity River Watersheds, California

Athearn¹, N.D., J.Y. Takekawa¹, A.K. Miles², D.H. Schoellhamer³, and G.G. Shellenbarger³

¹U.S. Geological Survey (USGS) Western Ecological Research Center (WERC) 505 Azuar Dr., Vallejo, CA 94592

²USGS WERC 1 Shields Ave., Univ. of Calif., Davis, CA 95616

³USGS Sacramento State Univ., Placer Hall, Sacramento, CA 95819

nathearn@usgs.gov

Rapid Response of Avian Communities to Hydrologic Changes in the Napa-Sonoma Salt Ponds

Ayres, D.R. and D.R. Strong

Evolution and Ecology, University of California, Davis, One Shields Avenue, Davis, CA 95616

drayres@ucdavis.edu

Evolution of Invasive Spartina Hybrids in San Francisco Bay

Baerwald¹, M.R., V.N. Bien¹, F.A. Feyrer², and B. May¹

¹University of California, Davis, Department of Animal Science, One Shields Ave., Davis, CA 95616

²California Department of Water Resources, 3251 S St., Sacramento, CA 95816

mrbaerwald@ucdavis.edu

A Tale of Splits: Genetic Analysis Reveals Separation Between Sacramento Splittail Populations



Bennett¹, W.A., B.F.J. Manly², and K.T. Honey³

¹John Muir Institute of the Environment and Bodega Marine Laboratory, University of California, Davis, P.O. Box 247, Bodega Bay, CA 94923

²Western Ecosystems Technology, Inc., 2003 Central Ave., Cheyenne, WY 82001

³Department of Environmental Studies, University of California, Santa Cruz, 1156 High Street, Santa Cruz, CA 95064

wabennett@ucdavis.edu

One Fish, Two Fish, Three Fish, Four: Estimating Abundance and Mortality for the Threatened Delta Smelt

Bergamaschi¹, B., T. Kraus¹ ², M. Fram¹ and R. Fujii¹

¹U.S. Geological Survey, Placer Hall, CSUS 6000 J Street, Sacramento, CA 95819

²National Academy of Sciences NRC Postdoctoral Fellow

bbergama@usgs.gov

A Synthesis of Processes Affecting DOM in the Sacramento-San Joaquin Delta: What Do We Know?

Blankenship, S.M., C. Lemaire, and J.C. Garza NOAA/SWFSC, 110 Shaffer Rd., Santa Cruz, CA 95060

scott.blankenship@noaa.gov

Genetic Population Structure of Chinook Salmon in the California Central Valley

Bodensteiner, S.B. and J.Q. Word

MEC-Weston Solutions, Inc., 98 Main Street Suite 428, Tiburon, CA 94920

bodensteiner@mecanalytical.com

Simulation of Dewatering Techniques to Identify Methods to Limit Mercury Methylation in Upland Placed Sediments

Bouley, P. and W. Kimmerer

The Romberg Tiburon Center for Environmental Studies and San Francisco State University, 3152 Paradise Drive, Tiburon, CA 94920

seagoose@sfsu.edu

Protozoans Fuel Zooplankton Production in the Low-Salinity Zone of the San Francisco Estuary

Bowles¹, C.B., E.S. Andrews¹ ², and J. Haas¹

¹PWA, Ltd., 928 Second Street, Suite 300, Sacramento, CA 95814

²PWA, Ltd., 720 California Street, Suite 600, San Francisco, CA 94108

c.bowles@pwa-ltd.com

Floodplain Restoration: Articulation, Testing and Refinement - Connectivity between the San Joaquin River and Its Floodplain

Brandes, P.L.

USFWS, 4001 N. Wilson Way, Stockton, CA 95205

Pat_Brandes@fws.gov

The Importance of Estuarine Rearing to the Production of Chinook Salmon in the Central Valley

Breaux¹, A., M. Born², S. Cochrane³, R. Looker¹, L. Suer¹

¹San Francisco Bay Regional Water Quality Control Board,

1515 Clay Street, Oakland, CA 94612

²Sustainable Land Stewardship Institute, P.O. Box 161585, Sacramento, CA 95816

³San Francisco Estuary Project, 1515 Clay St., Oakland, CA 94612

ab@rb2.swrcb.ca.gov

Benthic Macroinvertebrates as Indicators of Riparian Habitats in Impacted Urban Streams

Brekke¹, L.D., J. Medina², and M. Clark³

¹U.S. Bureau of Reclamation, MP-700, 2800 Cottage Way, Sacramento, CA 95825

²U.S. Bureau of Reclamation, TSC, Denver Federal Center, Denver, CO 80225

³University of Colorado/NOAA-CIRES, 1333 Grandview Ave, Boulder, CO 80309

lbrekke@mp.usbr.gov

Enhanced Water Supply Forecasting in Central Valley Basins Using Climate Signals

Brekke, L.

U.S. Bureau of Reclamation, MP-700, Reservoir Systems Analysis Branch, 2800 Cottage Way, Rm W-2830, Sacramento, CA 95825

lbrekke@mp.usbr.gov

Impacts of Climate Change on Management of California's Water Resources: Part I - Work Plan Overview

Breuer, R.S. and R. Duvall

California Department of Water Resources (DWR), 901 P Street, Sacramento, CA 95814

rich@water.ca.gov

RTDF: Real Time and Forecasted Water Quality Data from the Watershed to the Treatment Plant

Briggs, D.A. and D. Polyzos

Contra Costa Water District, PO Box H20, Concord, CA 94524

dabriggs@ccwater.com

Assessment of Delta Recreation Impacts on Drinking Water Quality

Brodberg, R.K.

Office of Environmental Health Hazard Assessment, P.O. Box 4010, Sacramento, CA 95812-4010

rbrodber@oehha.ca.gov

Environmental Justice and Developing California Fish Consumption Advisories

Bromirski, P.D., R.E. Flick, and D.R. Cayan

Scripps Institution of Oceanography, 9500 Gilman Dr., La Jolla, CA 92093

pbromirski@ucsd.edu

Storminess Variability Along the California Coast: 1858 – 2000

Brown, C.L. and S.N. Luoma

U.S. Geological Survey, 345 Middlefield Rd. MS 465, Menlo Park, CA 94025

clbrown@usgs.gov

*Spatial and Temporal Distribution of Copper in the Bioindicator Clam, *Corbicula fluminea*, in the Delta*

Brown¹, L.R. and D. Michniuk²

¹U.S. Geological Survey, Placer Hall, 6000 J Street, Sacramento, CA 95819-6129.

²California Department of Fish and Game, 4001 North Wilson Way, Stockton, CA 95205

lrbrown@usgs.gov

Nearshore Fishes of the Sacramento-San Joaquin Delta, California

Brown, M.R., J. Newton, and J. Earley

USFWS, Red Bluff Fish and Wildlife Office, 10950 Tyler Road, Red Bluff, CA 96080

Matt_Brown@r1.fws

Spring Chinook Restoration and Monitoring in Clear Creek, California

Brown¹, R., K. Jones², and B. Cavallo¹

¹CA. Dept. of Water Resources, 3251 S Street Sacramento, CA 95816

²Pacific States Marine Fisheries Commission, c/o DWR, 3251 S Street, Sacramento, CA 95816

brown.randall@comcast.net

The Feather River Hatchery and Central Valley, California Chinook Salmon and Steelhead

Brown, R.L.

California Bay-Delta Authority, 4258 Brookhill Drive, Fair Oaks, CA 95628

brown.randall@comcast.net

Biology Of Central Valley Salmonids – Session Summary

Brown, R.T. and W. Shaul

Jones & Stokes, 2600 V St., Sacramento CA 95818

rbrown@jsanet.com

Evaluation of Battle Creek Chinook and Steelhead Restoration Project Effectiveness: Fish Habitat and Production Modeling

Buckley, M.C.

University of California, Environmental Studies, 1156 High Street, Santa Cruz, CA 95064

mbuckley@ucsc.edu

Farmers and Restoration: Strategic Decision Models Using Survey Data for the Sacramento River Conservation Area

Burkhard, W.

California Department of Water Resources, Delta Levees Branch, 901 P Street, Sacramento, CA 95814

burkhard@water.ca.gov

Lessons Learned from the Jones Tract Levee Break

Burnett, R.D.

PRBO Conservation Science, 4990 Shoreline Hwy. Stinson Beach, CA 94970

rburnett@prbo.org

Landbird Response to Restoration: Integrating Monitoring Results into Restoration Actions at Clear Creek

Cain¹, J., and G.M. Kondolf²

¹Natural Heritage Institute, 2140 Shattuck Ave, Berkeley, CA 94704

²University of California, 202 Wurster Hall, Berkeley, CA 94720-2000

jcain@n-h-i.org

Channel Changes and Bed Mobility on the San Joaquin River Below Friant Dam

Cavallo, B., R. Kurth, J. Kindopp, and A. Seesholtz

California Department of Water Resources (CDWR), 3251 S Street, Sacramento, CA 95816

bcavallo@water.ca.gov

Feather River Juvenile Steelhead: Abundance and Rearing Habits in a Regulated, Hatchery Influenced River System

Cayan^{1,2}, D.R., D.H. Peterson³, and M.D. Dettinger²

¹Scripps Institution of Oceanography, La Jolla, CA 92093-0224

²U.S. Geological Survey, La Jolla, CA 92093

³U.S. Geological Survey (USGS), Menlo Park, ³⁴⁵ Middlefield Dr. Mail Stop 496, Menlo Park, CA 94025

dcayan@ucsd.edu

Spring Snowmelt Runoff Surges in Sierra Watersheds

Cherr¹, G.N., S.A. Anderson¹, S.G. Morgan¹, R.M. Higashi², C.A. Vines¹

¹University of California Davis Bodega Marine Lab, P.O. Box 247, Bodega Bay, CA 94923

²Center for Health and the Environment, University of California Davis, One Shields Ave., Davis, CA 95616

gncherr@ucdavis.edu

Biomarker Responses in Native Species: Linkage to Sediment Chemistry and Population Parameters

Christophel¹, D.B., R. Fris², J. Clerici³, and T. Frink⁴

¹CH2M HILL, 2485 Natomas Park Dr., Ste. 600, Sacramento, CA 95833

²California Bay-Delta Authority (CBDA), 650 Capitol Mall, 5th floor, Sacramento, CA 95814

³Public Affairs Management, 455 Capitol Mall, Suite 305, Sacramento, CA 95814

⁴California Department of Water Resources (DWR), 901 P Street, 2nd Floor, Sacramento, CA 95814

dchristo@ch2m.com

Upper Yuba River Studies Program: Science and Decision Making in a Collaborative Environment

Cole, L.

Center on Race, Poverty & the Environment, 450 Geary Street, Suite 500, San Francisco, CA 94102

luke@igc.org

The Science of Environmental Justice

Collins¹, J.N., E. Wittner¹, C. Grosso¹, D. Stalberg², N.M. Kelly³

¹San Francisco Estuary Institute (SFEI), 7770 Pardee Lane, Oakland, CA 94621

²PRBO Conservation Science (PRBO),

4990 Shoreline Hwy., Stinson Beach, CA 94970

³University of California at Berkeley (UCB), 145 Mulford Hall, Berkeley, CA 94720

josh@sfei.org

Understanding Tidal Marsh Fragmentation: Analytical Approach, Emerging Hypothesis, and Relevance to Tidal Marsh Restoration

Collins¹, J.N. and C. Wilcox²

¹San Francisco Estuary Institute (SFEI), 7770 Pardee Lane, Oakland, CA 94621

²California Department of Fish and Game (CDFG), Region 3 Headquarters, P.O. Box 47, Yountville, CA 94599

josh@sfei.org

The Meaning of Methylmercury to Wetland Managers: Helping Make Science Relevant to Management

Connor, M., C. Werme, J. Leatherbarrow, D. Yee, and J. Davis

San Francisco Estuary Institute, 7770 Pardee Lane, Oakland, CA 94621

mikec@sfei.org

Managing Bay Priority Pollutants: Conceptual Models for Mercury, PCBs, Legacy Pesticides, Dioxins, Diazinon and Selenium

Constantine¹, C.R., T. Dunne², and M.B. Singer²

¹Department of Geological Sciences, University of California, Santa Barbara, CA 93106-9630 ²Donald Bren School of Environmental Science and Management, University of California, Santa Barbara, CA 93106-5131

cconstantine@bren.ucsb.edu

Controls on Migration Rates in the Sacramento River and Implications for Improving Prediction of Meander Migration

Coulston, P.J.

California Department of Fish and Game, Central Valley Bay-Delta Branch, 4001 N. Wilson Way, Stockton, CA 95205

pcoulsto@delta.dfg.ca.gov

Fishery Effects of the 2004 Jones Tract Levee Failure

Cramer, S.P.

S.P. Cramer and Associates, 600 NW Fariss Rd., Gresham, OR, 97030

SteveC@spercramer.com

Central Valley Winter Run Chinook Salmon Model

Culberson¹, S.D., T.R. Sommer¹, C. Enright¹, P.B. Moyle²

¹Department of Water Resources (DWR), Division of Environmental Services,

3251 S Street, Sacramento, CA 95816

²Department of Wildlife, Fish, and Conservation Biology, University of California at Davis (UCD), One Shields Avenue, Davis, CA 95616

sculbers@water.ca.gov

Combining Models to Explore Hydrology-Mediated Variability in Sacramento Splittail Populations: Interdisciplinary Problem Solving

Curtis, J.A., L.E. Flint, and C.N. Alpers

U.S. Geological Survey, Placer Hall, 6000 J Street, Sacramento, CA 95819

jacurtis@usgs.gov

Sediment Transport in the Upper Yuba River Watershed, 2001-03

Dahlgren¹, R.A., S. Henson¹, E. Van Nieuwenhuysse², and A.T. O'Geen¹

¹University of California, Davis, CA 95616

²U.S. Bureau of Reclamation, 2800 Cottage Way, Sacramento, CA 95825

radahlgren@ucdavis.edu

Spatial and Temporal Dynamics of Sestonic Algae in the San Joaquin River

Dale^{1,2}, L.L. and W.M. Hanemann²

¹Lawrence Berkeley National Laboratory, One Cyclotron Road, MS: 90-4000. University of California, Berkeley, Berkeley, California 94720

²Department of Agricultural and Resource Economics University of California Berkeley, Berkeley, CA 94720-3310

lldale@lbl.gov

Economic Impacts of Changing Climate and Water Supply

Davis, J.A. and B.K. Greenfield

San Francisco Estuary Institute, 7770 Pardee Lane, 2nd Floor, Oakland, CA 94621

jay@sfei.org

Sport Fish Contamination in the Bay-Delta Watershed

Davis¹, J.A., B.K. Greenfield¹, M. Stephenson², and G. Ichikawa²

¹San Francisco Estuary Institute, 7770 Pardee Lane, Oakland, CA 94621

²Moss Landing Marine Laboratories, 8272 Moss Landing Road, Moss Landing, CA 95039

jay@sfei.org

Fish Mercury in the Bay-Delta Watershed: A Dark Cloud with a Silver Lining

DeGeorge, J.F., R.R. Rachiele, and S.E. Grinbergs

Resource Management Associates, Inc., 4171 Suisun Valley Road, Suite J, Fairfield, CA 94534

jfdegeorge@rmanet.com

Numerical Modeling of Hydrodynamic and Salinity Impacts of the Upper Jones Tract Levee Breach

**Demko, D., M. Simpson, and A. Fuller**

3188 Wood Creek Dr., Chico, CA 95928

demko@spramer.com

Evaluation of an Alaskan Weir and Vaki Infrared System to Count and Characterize Adult Salmonids

Denton, R.A.

Contra Costa Water District, 1331 Concord Ave.,
P.O. Box H20, Concord, CA 94524

rdenton@ccwater.com

The Effects of Delta Operations on Delta Drinking Water Quality

Dettinger, M.D.

U.S. Geological Survey, Scripps Institution of
Oceanography, 9500 Gilman Drive, La Jolla, CA
92093-0224

mddettin@usgs.gov

*Characterizing the Uncertainties Associated with
21st Century Climate Projections for California*

Deverel, S.J.

HydroFocus, Inc., 2727 Del Rio Place, Suite B,
Davis, CA, 95616

sdeverel@hydrofocus.com

*Processes Affecting Agricultural Drain Flow and
Water Quality on Twitchell Island*

Dietl, M.L.

U.S. Army Corps of Engineers, 1325 J St.
Sacramento, CA 95814

Michael.L.Dietl@usace.army.mil

*Three Years of Sampling Restored Habitat as Part
of the Napa River Flood Protection Project*

DiGiorgio¹, C.L., J.O. Sickman², M.L. Davisson³

¹Office of Water Quality, Division of Environmental
Sciences, Cal. Dept. of Water Resources,
P.O. Box 942836, Sacramento, CA 94236

²Geology & Geophysics, Univ. of New Orleans,
2000 Lakeshore Dr, New Orleans, LA 70148

³Environmental Science Division, Lawrence
Livermore National Lab, P.O. Box 808 L-396,
Livermore, CA 94550

caroldi@water.ca.gov

*Resolving Aquatic/Terrestrial Sources of Dis-
solved Organic Matter in the Sacramento-San
Joaquin Delta by Radiocarbon*

DiGiorgio, C.L., D.A. Gonzalez, and C.C. Huitt

Office of Water Quality,
Division of Environmental Sciences,
California Department. of Water Resources, P.O.
Box 942836, Sacramento, CA 94236

caroldi@water.ca.gov

*Cryptosporidium and Giardia Recoveries in Delta
and State Water Project Waters Using EPA
Method 1623*

Donohoe, C.J., P.B. Adams, and C. Royer

National Marine Fisheries Service,
110 Shaffer Rd., Santa Cruz, CA 95060

Chris.Donohoe@noaa.gov

*Alternation of Anadromous and Non-Anadromous
Life Histories in Rainbow Trout Oncorhynchus
mykiss from California Rivers*

Downing, B., B. Bergamaschi, and G. Wheeler

US Geological Survey, 6000 J St.,
Sacramento, CA 95819

bdowning@usgs.gov

*Using In-Situ Optical Instrumentation to Measure
DOC Character and Fluxes from a Tidal Wetland*

Duan, Q. and P. Duffy

Lawrence Livermore National Laboratory,
P.O. Box 808, L-103, 7000 East Avenue,
Livermore, CA 94550

qduan@llnl.gov

*Application of a Multi-Model Combination Ap-
proach in Predicting Water Supply for California
Watersheds*

Dugdale, R., F. Wilkerson, V. Hogue, A. Marchi, F. Koch, K. Lew, A. Lorenzi, and M. Takabayshi

Romberg Tiburon Center, SFSU,
3152 Paradise Drive, Tiburon, CA 94920

rdugdale@sfsu.edu

*Using Experimental Enclosures to Monitor Water
Quality of the San Francisco Bay-Delta for Man-
agement Purposes*

**Edwards¹, B.R., S.J. Steinberg²,
and K.A. Reeves³**

¹USDA Forest Service, International Institute
of Tropical Forestry, Jardín Botánico Sur, 1201
Calle Ceiba, San Juan, PR 00926-1119 ²Humboldt
State University, Dept of Environmental & Natural
Resource Sciences, Arcata, CA 95521

³East Bay Municipal Utility District, Fisheries and
Wildlife Div., 1 Winemaster Way, Ste K2, Lodi, CA
95240

brookwards@fs.fed.us

*Using Riparian-Stream Metrics to Measure
Change and Develop Restoration Goals for the
Lower Mokelumne River*

**Edwards¹, L.M., D. Cayan², L. Riddle²,
K.T. Redmond¹, and G.D. McCurdy¹**

¹Western Regional Climate Center, Desert Re-
search Institute, Reno, NV

²California Climate Change Center, Scripps Insti-
tution of Oceanography, La Jolla, CA

laura.edwards@dri.edu

*Calclim: An Accessible Data Archive to Monitor
California Climate*

**Elseaff¹, D.S., F.L. Thomas², H. Swagerty¹,
J.G. Silveira³, F.T. Griggs¹, M. Cederborg¹,
P. Kirk¹, and E. McKinney¹**

¹River Partners, 539 Flume St, Chico, CA 95928

²CERUS Consulting, CERUS Consulting,
2119 Shoshone Ave., Chico, CA 95926

³US Fish and Wildlife Service,
Sacramento River National Wildlife Refuge,
252 County Road, Hwy 99W, Willows CA

defseaff@riverpartners.org

*Incorporating Native Grass into Riparian Restora-
tion on the Sacramento River: A Five-Year Review*

Ejeta, M.

CA Dept of Water Resources, Hydrology and Operations Section, 1416 Ninth Street, Room 252-7, Sacramento, CA 95814

mejeta@water.ca.gov

Impacts of Climate Change on Management of California's Water Resources: Part II-CVP and SWP Operations

Enright, C.S., A. Miller, and B. Tom

California Department of Water Resources, Suisun Marsh Branch, 3251 S Street, Sacramento, CA 95816

cenright@water.ca.gov

The Estuary Geometry Is Not Static: Perspective on Salinity Trends from Natural and Human Influences

Enright, C.S.

California Department of Water Resources, Suisun Marsh Branch, 3251 S Street, Sacramento, CA 95816

cenright@water.ca.gov

Levee Integrity and Subsidence: Tied at the Hip for the Future of the Delta

Enzweiler¹, R.J. and D. Pearson²

¹WaterTech Partners, 5 Corte Fresca, Moraga, CA 94556
²PCI Membrane Systems Inc., 1615 State Route 131, Milford, OH 45150

ron@h2o-tech.com

Desalinated Agricultural Drainage Water: A Potential New Water Supply Resource in California

Feyrer, F. and M. Nobriga

California Department of Water Resources, 3251 S Street, Sacramento, CA 95816

ffeyrer@water.ca.gov

Introduction to the Session: Implications for Conservation and Restoration in the San Francisco Estuary

Feyrer¹, F., T. Sommer¹, and R. Baxter²

¹California Department of Water Resources, 3251 S Street, Sacramento, CA 95816
²California Department of Fish and Game, 4001 N. Wilson Way, Stockton, CA

ffeyrer@water.ca.gov

Ecology of Age-0 Splittail in the Lower San Francisco Estuary Watershed

Feyrer¹, F., M.L. Nobriga¹, R. Baxter², and M.C. Chotkowski³

¹California Department of Water Resources (DWR), 3251 S Street, Sacramento, CA 95816 ²California Department of Fish and Game (DFG), 4001 North Wilson Way, Stockton, CA 95205
³U.S. Bureau of Reclamation (USBR), 2800 Cottage Way, Sacramento, CA 95825

ffeyrer@water.ca.gov

Shallow Water Habitat Fish Assemblages in the Sacramento-San Joaquin Delta: What Factors Really Matter?

Fleck¹, J.A., S.J. Deverel², R. Fujii¹

¹U.S. Geological Survey (USGS), Sacramento, 6000 J St., Placer Hall, Sacramento, CA 95819 ²HydroFocus, Inc., 2727 Del Rio Pl, Suite B, Davis, CA 95616

jafleck@usgs.gov

Carbon and Disinfection Byproduct Precursor Loads from a Restored Wetland in the Sacramento-San Joaquin Delta

Fleming¹, K.J. and M. Nobriga²

¹California Department of Fish and Game, 4001 N. Wilson Way, Stockton, CA 95205

²California Department of Water Resources, Aquatic Ecology Section, 3251 S Street, Sacramento, CA 95816

kflaming@delta.dfg.ca.gov

Status of Delta Smelt: Multi-Decadal Trends in Abundance, Distribution and Water Management

Fleming-Singer¹, M.S., N.P. Hume¹, D.G. Slotton², N. Bloom³

¹Stillwater Sciences 2855 Telegraph Avenue, Suite 400, Berkeley, CA 94705

²Dept. of Environmental Science and Policy, University of California, One Shields Avenue, Davis, CA 95616

³Frontier Geosciences Inc. 414 Pontius Ave., North Seattle, WA 98109

maia@stillwatersci.com

Mercury Occurrence in Dredger Tailings, Sediment and Biota on the Lower Merced River

Flint, L.E., J.R. Guay, A.L. Flint, J.A. Curtis and C.N. Alpers

U.S. Geological Survey (USGS), Placer Hall, 6000 J Street, Sacramento, CA 95819

lflint@usgs.gov

Spatially Distributed Model of Flow and Sediment Transport in the Upper Yuba River Watershed

Foe, C.

Central Valley Regional Board, 11020 Sun Center Drive, Rancho Cordova, 95670-6114

FoeC@rb5s.swrcb.ca.gov

Methylmercury Mass Balance for the Freshwater Sacramento-San Joaquin Bay-Delta Estuary

Fleckenstein¹, J.H., G.E. Fogg¹, and D. Purkey²

¹University of California at Davis (UCD), 1 Shields Avenue, CA 95616

²Natural Heritage Institute (NHI), 926 J St. Suite 612, Sacramento, CA 95814

gefogg@ucdavis.edu

Fish Passage, Groundwater, and Baseflow - The Case of the Cosumnes River

Foott¹, S., G.O. Kelly², A.M. Bendorf², and R.P. Hedrick²

¹U.S. Fish and Wildlife Service, California – Nevada Fish Health Center, 24411 Coleman Hatchery Road, Anderson, CA 96007

²Department of Medicine and Epidemiology, School of Veterinary Medicine, University of California, Davis, CA 95616

Scott_Foott@fws.gov

Infectious Hematopoietic Necrosis Virus (IHNV) in California: Epidemiology and Evolution



Foss, S.F.

California Dept. Fish and Game (CDFG),
4001 N. Wilson Way, Stockton, CA, 95205
sfoss@delta.dfg.ca.gov

*Differences between hatchery and wild
steelhead: Evidence from Delta fish monitoring
programs*

**Fredrickson¹, H., V.A. McFarland¹, C.H. Lutz¹,
J.U. Clarke¹, and D.K. MacMillan²**

¹U.S. Army Engineer Research and Development
Center (ERDC), 3909 Halls Ferry Road, Vicksburg,
MS 39180

²420 South 18th St., Omaha, NE 68102

fredrih@wes.army.mil

*Relative Mercury/Methylmercury Concentra-
tions at Wet and Dry Seasons Prior to Wetlands
Reconstruction at HAAF*

Gaines¹, P.D., C.D. Martin², and W.R. Poytress¹

¹U.S. Fish and Wildlife Service (USFWS), Red
Bluff Fish and Wildlife Office, 10950 Tyler Road,
Red Bluff, CA 96080

²U.S. Fish and Wildlife Service (USFWS), Lake
Champlain Fish and Wildlife Resources Complex,
11 Lincoln St, Essex Junction, VT 05452

phillip_gaines@fws.gov

*Direct and Indirect Methods for Estimating
Juvenile Winter Chinook Production in the Upper
Sacramento River*

Gallo, E.L. and R.A. Dahlgren

LAWR, University of California, Davis,
1 Mrak Hall, Davis, CA 95616

elgallo@ucdavis.edu

*Floodplain Hydrobiogeochemistry as Revealed by
High Resolution Spatiotemporal Sampling*

Gard, M.F.

U.S. Fish and Wildlife Service (USFWS), 2800 Cot-
tage Way, Suite W-2605, Sacramento, CA 94025

mark_gard@fws.gov

*Changes in Salmon Spawning and Rearing Habi-
tat Associated with Channel Restoration*

Gershunov,¹ A. and D. Cayan^{1 2}

¹Scripps Institution of Oceanography,
University of California San Diego,
La Jolla, CA 92093-0224

²U.S. Geologic Survey, La Jolla, CA

sasha@ucsd.edu

*Meteorological Drought in California and the
Greater West*

**Geupel¹, G.R., T. Gardali¹, A.L. Holmes¹,
S.L. Small², N. Nur¹, and G.H. Golet³**

¹PRBO Conservation Science, 4990 Shoreline
Highway, Stinson Beach, California 94970

²Division of Biological Sciences, Univ of Missouri,
105 Tucker Hall, Columbia, MO 65211

³The Nature Conservancy, Chico, California 95928

ggeupel@prbo.org

*Abundance Patterns of Landbirds in Restored
and Remnant Riparian Forests on the Sacramento
River, California*

Ginn¹, T.R., M.R. Arkoosh², and F.J. Loge¹

¹Dept. of Civil and Environmental Engineering,
UC Davis, 1 Shields Avenue, Davis, CA 95616

²Immunology and Disease, Ecotoxicology and En-
vironmental Health Program, Newport Research
Station, 2032 South East OSU Drive, Newport,
OR 97365

trginn@ucdavis.edu

*Modeling Techniques that Account for Transport
and Distributed Dose in Environmental Population
Dynamics*

Glaze, W.H.

OGI School of Science & Engineering, Oregon
Health & Science University, 20000 NW Walker
Rd, Beaverton, OR 97006

glazeb@ebs.ogi.edu

*ELPH, Multiple Barriers, and Drinking Water
Quality*

Goerrissen,^{1 2} J.H. and D.W. Anderson¹

¹Department of Wildlife, Fish & Conservation Biol-
ogy, University of California, Davis

²Sweeney Granite Mountains Desert Research
Station, UCNRS, P.O. Box 101, Kelso, CA 92351

jhgerrissen@ucdavis.edu

*Habitat Associations of Grassland Birds in Native
and Exotic California Grasslands*

**Green¹, P.G., S.A. Norris¹, T.W.M. Fan^{1 2},
C.A. Vines³, G.N. Cherr³, and R.M. Higashi¹**

¹Department of Civil and Environmental
Engineering, One Shields Ave.,
University of California, Davis, CA 95616

²University of Louisville, Louisville, KY 40292

³Bodega Marine Laboratory,
Bodega Bay, CA 94923

PGGreen@UCDavis.edu

*Rapid Analysis of Salt Exudates from Marsh
Plants: Implications to Ecotoxicity and
Bioavailability*

Grenier, J.L. and S.R. Beissinger

University of California, 151 Hilgard Hall #3110,
Berkeley, CA 94720-3110

lgrenier@nature.berkeley.edu

*Spatial Organization in a Pacific Salt Marsh Food
Web: Implications for Trophic Transfers between
Habitats*

Griffith, S.M.

USDA-ARS, 3450 SW Campus Way,
Corvallis, OR 97331

griffits@onid.orst.edu

*Differences in Soil Quality and Plant Character-
istics among Restored and Non-Restored Sites
Using Native Perennial Grasses*

Griggs¹, T. and J. Countryman²

¹River Partners, 539 Flume Street, Chico, CA 95928

²MBK Engineers, 2450 Alhambra Boulevard, 2nd
floor, Sacramento, CA 95817

tgriggs@riverpartners.org

*Hydraulic Modeling to Design Flood-Neutral
Riparian Revegetation Plantings*

**Groszholz¹, E.D., E. Gallo¹, A. Müller-Solger²,
A. Welch¹, C. Jannusch¹, and S. Kwok¹**

¹University of California, Davis, CA 95616

²Department of Water Resources,
Sacramento, CA 95816

tedgroszholz@ucdavis.edu

*Restoring the Cosumnes River Floodplain: How
Often Should It Flood and What Constitutes
Success?*

**Grossinger¹, R.M., J.N. Collins¹,
R.A. Askevold¹, and T. Burns²**

¹San Francisco Estuary Institute (SFEI)

7770 Pardee Ln., Oakland, CA 94621

²GIS Mapping and Analysis (GISM&A)
164 Concord Street, Portland, ME 04103

robin@sfei.org

*Physical and Ecological Characteristics of the
Historical Baylands of South San Francisco Bay*

Hall¹, C.J. and A.B. Müller-Solger²

¹Environmental Science and Policy,
University of California, Davis, CA

²CA Department of Water Resources,
Sacramento, CA

cjhall@ucdavis.edu

*Food Resources for Calanoid Copepods in the
Sacramento-San Joaquin River Delta*

Hanson¹, C.H., P. Brandes², and B. Herbold³

¹Hanson Environmental, Inc.,
132 Cottage Lane, Walnut Creek, CA 94595

²U.S. Fish and Wildlife Service,
4001 North Wilson Way, Stockton, CA 95205

³U.S. Environmental Protection Agency,
75 Hawthorne Street, San Francisco, CA 94105

chansonenv@aol.com

*Vernalis Adaptive Management Plan (VAMP)
- 2000 Through 2004*

Harader, S.

California Bay-Delta Authority,
Sacramento, CA 95814

sharader@calwater.ca.gov

*Integrating Science and Management in the
CBDA Drinking Water Quality Program*

Harris, M.H.

Western Shasta Resource Conservation District
(WSRCD), 6270 Parallel Road, Anderson, CA.
96096

michael@westernshastarcod.org

*Meeting the Goals of Ecosystem Restoration: A
Balancing Act*

Hart, J.A.

Hart Restoration, Inc. 13737 Grand Island Road,
Walnut Grove, CA

jeffhart@citlink.net

*Levees, Vegetation and Habitat in the Sacramen-
to - San Joaquin Delta -- Can They Coexist?*

Henson¹, S.S., D.S. Ahearn¹, R.A. Dahlgren¹, K.W. Tate, E. Van Nieuwenhuyse³, and W.E. Fleenor⁴

¹Dept. of Land, Air and Water Resources, University of California, Davis, CA 95616

²Dept. of Agronomy and Range Science, University of California, Davis, CA 95616

³U.S. Bureau of Reclamation, 2800 Cottage Way Sacramento, CA 95825-1898

⁴Dept. of Civil and Environmental Engineering, University of California, Davis, CA 95616

sshenson@ucdavis.edu

Effects of a Controlled Water Release on Water Quality in the Mokelumne River, California

Hidalgo¹, H.G., D.R. Cayan^{1,2}, and M.D. Dettinger^{2,1}

¹Climate Research Division, Scripps Institute of Oceanography, 9500 Gilman Drive, MC 0224, CA 92093-0224

²U.S. Geological Survey (USGS), Water Resources Division, U.S. Geological Survey, La Jolla, California

hhidalgo@ucsd.edu

Variability of Agricultural Water Demands as Contained in Potential Evapotranspiration Estimates from the CIMIS System

Higgins¹, S., B. Jaffe¹, R. Smith², and C. Fuller²

¹U.S. Geological Survey, 400 Natural Bridges Dr., Santa Cruz, CA 95060

²U.S. Geological Survey, 345 Middlefield Rd., Menlo Park, CA 94025

shiggins@usgs.gov

Spatial Analysis of Sediment Ages in North San Francisco Bay

Hitchcock, C.S., E. Helley, E. and R. Givler

William Lettis & Associates, Inc., 1777 Botelho Drive, Suite 262, Walnut Creek, CA 94596

hitch@lettis.com

Geomorphic and Geologic Mapping for Restoration Planning, Sacramento-San Joaquin Delta Region

Hobbs, J.A. and W.A. Bennett

John Muir Institute for the Environment, Bodega Marine Laboratory, University of California, Davis, P.O. Box 247, Bodega Bay, CA 94923

jahobbs@ucdavis.edu

Use of Otolith Chemistry to Determine Natal Sources for Delta Smelt in the SFE

Honey¹, K.T. and W.A. Bennett²

¹Environmental Studies Department, University of California, Santa Cruz, 1156 High Street, Santa Cruz, CA 95064

²John Muir Institute of the Environment and Bodega Marine Laboratory, University of California, Davis, P.O. Box 247, Bodega Bay, CA 94923

khoney@ucsc.edu

Modeling the Canary: How Do We Assess Population Viability for the Threatened Delta Smelt?

Hunerlach¹, M.P., C.N. Alpers¹, and M. Marvin-DiPasquale²

¹U.S. Geological Survey (USGS), Placer Hall, 6000 J Street, Sacramento, CA 95819

²USGS, MS 480, 345 Middlefield Road, Menlo Park, CA 94025

hunerlac@usgs.gov

Particle-Size Distribution and Mercury Geochemistry of Sediments Affected by Large-Scale Gold Dredging, Yuba River, California

Hymanson, Z.P.

CA Bay Delta Authority, 650 Capitol Mall, 5th Floor, Sacramento, CA 95814

zachary@calwater.ca.gov

Using the EWA to Protect Delta Smelt: Do the "Shoulders on VAMP" Make a Difference?

Israel, J.A. and B.P. May

Genomic Variation Laboratory, Department of Animal Science, University of California, Davis, CA 95616

jaisrael@ucdavis.edu

Is the Sacramento River the Source of Green Sturgeon Aggregating in San Pablo Bay?

Ivey¹, G.L. and C.P. Herziger²

¹PO Box 2213, Corvallis, OR 97339.

²5929 Normar Place, Blaine, WA 98230

ivey@oregonvos.net

Assessment of Sandhill Crane Ecology in the Sacramento-San Joaquin Delta, California, 2002-03

Jacobs¹, K.C. and V. Connor²

¹DWR 3251 "S" St Sacramento CA 95816 ²SWRCB 1001 "I" St Sacramento CA 95812

kjacobs@water.ca.gov

Data Management and Sharing Infrastructure

Jaffe¹, B.E., R.E. Smith² and A.C. Foxgrover¹

¹U.S. Geological Survey Pacific Science Center, 400 Natural Bridges Dr., Santa Cruz, CA, 95060

²U.S. Geological Survey, 345 Middlefield, MS 946, Menlo Park, CA, 94025

bjaffe@usgs.gov

Sediment Supply Control on Intertidal Mudflat and Subtidal Habitats in North San Francisco Bay

Jin, J. and N.L. Miller

UC-Berkeley National Laboratory, 1 Cyclotron Road, Berkeley, CA 94720

jimingjin@lbl.gov

Relationship Between Atmospheric Circulation and Snowpack in the Western United States

Kavvas¹, M.L., Z.Q. Chen¹, N. Ohara¹, L. Liang¹, M. Anderson¹, J. Wilcox²

¹Civil and Environmental Engineering, UC Davis, Davis, CA 95616

²Plumas Corporation, P.O. Box 3880, Quincy, CA. 95983

leventkavvas@sbcglobal.net

The Development of WEHY for the Last Chance Creek Watershed

Keith¹, A.J., F. Ligon¹, D. Mierau², & P.F. Baker¹

¹Stillwater Sciences, 2855 Telegraph Ave. Suite 400 Berkeley, CA 94705

²McBain&Trush, PO Box 663, Arcata, CA, 95521

AJ@stillwatersci.com

Bass Monitoring at Tuolumne River Restoration Sites as an Indicator of Chinook Salmon Predation Risk

Kendall¹, C., S.R. Silva¹, B.E. Bemis¹, D.H. Doctor¹, S.D. Wankel¹, B.A. Bergamaschi², M. Fram², C.R. Kratzer², and R.A. Dahlgren³

¹U.S. Geological Survey (USGS), 345 Middlefield Rd. MS 434, Menlo Park, CA 94025

²USGS, Placer Hall - Suite 2012, 6000 J St., Sacramento, CA 95819

³University of California - Davis (UCD), LAWR - PES 3134, Davis, CA 95616

ckendall@usgs.gov

Tracing Sources of Organic Matter and Nitrate in the San Francisco Bay-Delta-River Ecosystem Using Isotopic Techniques

Kimmerer, W.

San Francisco State University (SFSU), 3152 Paradise Dr., Tiburon, CA 94920

kimmerer@sfsu.edu

Ecosystem-Level Changes Following Foodweb Disruption by an Introduced Clam in the San Francisco Estuary

Kimmerer¹, W. and R. Brown²

¹San Francisco State University (SFSU), 3152 Paradise Dr., Tiburon, CA 94920

²4258 Brookhill Drive, Fair Oaks CA 95628

kimmerer@sfsu.edu

Population Trends and the Influence of Restoration Actions on Winter-Run Chinook Salmon

Kitting, C.L.

Department of Biological Science California State University, Hayward, CA 94542

ckitting@cshayward.edu

Macroinvertebrate and Fish Abundances Compared in Restored and Historical Marshes of San Francisco Estuary

Kondolf, G.M., R. Lave, and L. Pagano

University of California 202 Wurster Hall, Berkeley CA 94720-2000

kondolf@berkeley.edu

Surveying and Assessing River Restoration in California: A Progress Report

Kuivila¹, K.M. and S. Datta²

¹U.S. Geological Survey (USGS), Sacramento, 6000 J Street, Sacramento, CA 95819

²University of California, Davis (UCD), Dept of Civil & Environmental Engineering, Davis, CA 95616

kkuivila@usgs.gov

Pesticides in California Wetlands: Integrating Exposure and Effects

Laca, E.A. and L.K. Brennecke

University of California, Davis, Department of
Agronomy and Range Science, One Shields
Avenue, Davis, CA 95616

ealaca@ucdavis.edu

*Diet Preference of Sheep Grazing Bromus
hordeaceus and Nassella pulchra*

Creel, C., A. Hinojosa, and J. Leahigh

California Department of Water Resources, State
Water Project Operations Planning Branch, 3310
El Camino Ave., Sacramento, CA 95821-9000

clcreel@water.ca.gov

*Effects of the Jones Track Levee Failure on
Central Valley Project and State Water Project
Operations*

Leatherbarrow, J.E. and L.J. McKee

San Francisco Estuary Institute,
7770 Pardee Lane, 2nd Floor, Oakland, CA 94621

jon@sfei.org

*The Occurrence and Transport of Persistent Or-
ganic Contaminants in Urban Runoff Discharged
to San Francisco Bay*

Lee A.K. and D.R. Ayres

Evolution and Ecology, University of California,
Davis, One Shields Avenue, Davis, CA 95616

gerbil@ucdavis.edu

*The Invasive Potential and Ecological Tolerance
of the Recently Discovered Spartina denisflora x
foliosa Hybrid*

Lee, G.F. and A. Jones-Lee

G. Fred Lee & Associates,
27298 E. El Macero Drive, El Macero, CA 95618

gfredlee@aol.com

*Recommended Approach for Solving the Low-DO
Problem in the SJR DWSC*

Lehman, P.W., T. Sommer, L. Rivard and B. Harrell

Department of Water Resources, Division of
Environmental Services, 3251 S Street,
Sacramento, CA 95816

plehman@water.ca.gov

*Carbon Production in the Yolo Bypass
Floodplain, California*

Lemasson¹, B., J. Haefner¹, M. Bowen²

¹Department of Biology/Ecology Center,
Utah State University, Logan, UT, 84322-5305

²U.S. Bureau of Reclamation,
P.O. Box 25007, Denver, CO, 80225-8290

birdy@biology.usu.edu

*A Kinematic Analysis of Fish Swimming Behavior
Within Louvered Channels: Identifying Sources of
Attraction/Repulsion*

Lindley, S.T.

NOAA Fisheries, 110 Shaffer Road,
Santa Cruz, CA 95060

Steve.Lindley@noaa.gov

*Historical Population Structure and Current
Status of Chinook Salmon and Steelhead in the
Central Valley*

**Linville¹, R.G., J. Linares¹, K.J. Kroll², X. Deng¹,
J.P. Van Eenennaam¹, D.E. Hinton³,
and S.I. Doroshov¹**

¹University of California, Davis, CA

²University of Florida, Gainesville, FL

³Duke University, Durham, NC

rglinville@ucdavis.edu

*Maternal Transport and Developmental
Toxicity of Selenium in White Sturgeon,
Acipenser transmontanus*

**Loge¹, F.J., M.R. Arkoosh², T.R. Ginn¹,
L. Johnson³, and T. Collier³**

¹Dept. of Civil and Environmental Engineering,
UC Davis, 1 Shields Avenue, Davis, CA 95616

²Immunology and Disease, Ecotoxicology and En-
vironmental Health Program, Newport Research
Station, 2032 South East OSU Drive, Newport,
OR 97365

³Ecotoxicology and Environmental Health Pro-
gram, Northwest Fisheries Science Center, NOAA
Fisheries, Seattle, WA 98112

floge@wsu.edu

*Delayed Disease-Induced Mortalities in Outmi-
grant Salmon: Relative Impact of In-River and
Chemical Stressors*

**Lopez¹, C.B., T.S. Schraga¹, A.J. Little¹,
J.E. Cloern¹, L.V. Lucas, and J.J. Orsi²**

¹U.S. Geological Survey, Menlo Park, 345 Middle-
field Rd. MS 496, Menlo Park, CA 94025

²2255 Dario Circle, Stockton, CA 95209

cblopez@usgs.gov

*Ecological Values of Shallow Water Habitat in
the Delta*

Lulow¹, M.E., T.P. Young¹, and J.L. Wirka²

¹Department of Environmental Horticulture, Uni-
versity of California, Davis, CA 95616 ²Audubon
California, Landowner Stewardship Program,
5265 Putah Creek Road, Winters, CA 95694

melulow@ucdavis.edu

*Variation in the Success of Seeded Native
Bunchgrasses in Rangeland Foothills of Yolo
County, California*

**Lund¹, J.R., R.A. Howitt², M.W. Jenkins¹,
S.K. Tanaka¹, and T. Zhu¹**

¹Dept of Civil and Environmental Engineering

²Department of Agricultural and Resource Eco-
nomics Univ. of California, Davis

jrlund@ucdavis.edu

*Water Supply Management with Climate Warm-
ing for California: Some Preliminary Results*

MacDonald, G.M.

Department of Geography, UCLA, Los Angeles,
CA 90095-1524

macdonal@geog.ucla.edu

*Multiple Modes of Long-Term Hydrological
Variability: Evidence from High Resolution Lake
Records and Tree-Rings*

MacIer, B.A.

U.S. Environmental Protection Agency, Region 9,
75 Hawthorne St, Wtr-6, San Francisco, CA 94105

macIer.bruce@epa.gov

*Drinking Water Regulatory Challenges to Bay
Delta Water Users*



Mager¹, R.C. and T. Heyne²

¹California Department of Water Resources (DWR), 3251 S St., Sacramento, CA 95816

²California Department of Fish and Game (DFG), POB 10, La Grange, CA 95329

rcmager@water.ca.gov

Spawning Gravel Augmentation: Add It and They Will Come

Mager, R.C.

Department of Water Resources
3251 S St., Sacramento, CA 95816

rcmager@water.ca.gov

Liberty Island: From Tomatoes to Tules in Seven Years

Malamud-Room¹, F., L. Ingram^{1,2}, J. Collins³

¹Dept. of Geography, 507 McCone Bldg.
U.C. Berkeley, Berkeley, CA 94720

²Dept. of Earth and Planetary Sciences
301 McCone Bldg, U.C. Berkeley
Berkeley, CA 94720

³San Francisco Estuary Institute (SFEI), 7770 Pardee Ln, Oakland, CA 94621

fmalamud@eps.berkeley.edu

Sediment Sources for Local Tidal Marshes in the San Francisco Estuary

Malmstrom, C.M. and H.S. Butterfield

Department of Plant Biology
166 Plant Biology Lab, Michigan State University
East Lansing, MI 48824

carolynm@msu.edu

Using Remote Sensing to Help Landowners Assess the Impact of Management Strategies on Rangeland Restoration

Marmorek¹, D.R., I.J. Parnell¹, M. Porter¹, C. Pinkham¹, C.A.D. Alexander¹, C.N. Peters¹, J. Hubble², C.M. Paulsen³, and T.R. Fisher⁴

¹ESSA Technologies Ltd., Suite 300-1765 W 8th Ave., Vancouver, BC, V6J 5C6 Canada

²Yakama Nation, 771 Pence Rd, Yakima, WA 98902

³Paulsen Environmental Research, 16016 SW Boones Ferry Rd Ste 4, Lake Oswego, OR 97035

⁴Fisher Fisheries, 18403, S. Clear Acres Drive, Oregon City, OR 97045

dmarmorek@essa.com

A Multiple Watershed Approach to Assessing the Effects of Habitat Restoration Actions on Fish Populations

Marty, J.T.

The Nature Conservancy, 13501 Franklin Blvd., Galt, CA 95632

jmarty@tnc.org

Grazing Maintains Diversity in Seasonal Wetlands

Marvin-DiPasquale, M.

U.S. Geological Survey (USGS), 345 Middlefield Rd., Mail Stop 480, Menlo Park, CA 94025

mmarvin@usgs.gov

Mercury Cycling Concepts Important in the Adaptive Management of Wetland Restoration Projects

May, J. T. and L. R. Brown.

U.S. Geological Survey, WRD, 6000 J Street, Placer Hall, Sacramento, CA 95819

jasonmay@usgs.gov

Trends in Spring Fish Assemblages in the Lower Sacramento and San Joaquin Rivers and Delta, 1994-2002

McBain S.M.

McBain & Trush, P.O. Box 663, Arcata, CA 95518

scott@mcbaintrush.com

Scaling Big Rivers: A Long-Term Rehabilitation Strategy for Central Valley Alluvial Rivers?

Leger, E.A., S.M. Lee, and N.F. McCarten

Environmental Science Associates,
8950 Cal Center Drive, Building 3, Suite 300, Sacramento, CA 95826

bleger@esassoc.com

Controlling Invasive Species within Native Communities: Monitoring and Management in a Valley Vernal Pool/Grassland Habitat

McKee, L. and J. Leatherbarrow

San Francisco Estuary Institute (SFEI)
7770 Pardee Lane, 2nd floor, Oakland, CA 94621

lester@sfei.org

Suspended Sediment and Mercury Loads Entering San Francisco Bay from the Central Valley via the Delta

McReynolds¹, T., P. Ward¹, and C. Harvey-Arrison²

¹CA. Dept. of Fish and Game (CDFG)
2545 Zanella Wy. Suite F, Chico, CA 95928

²CA. Dept. of Fish and Game (CDFG)
P.O. Box 578, Red Bluff, CA 96080

tmcreynolds@dfg.ca.gov

Utility of Juvenile Salmon Growth Models for Discrimination of Central Valley Spring-Run Chinook in California

Meko¹, D.M., A. Caprio², M.K. Hughes¹, and R. Touchan¹

¹Laboratory of Tree-Ring Research, University of Arizona, Tucson, AZ 85721

²Sequoia and Kings Canyon National Parks, Three Rivers, CA 93271

dmeko@LTRR.arizona.edu

Species Dependence of Dendrohydrologic Drought Signal in San Joaquin Basin

Mierau¹, D.M., Y. Cui², J. Vick¹, and S.M. McBain¹

¹McBain & Trush, P.O. Box 663, Arcata, CA, 95518

²Stillwater Sciences
2855 Telegraph Ave., Suite 400 Berkeley, CA 94705

darren@mcbaintrush.com

The Coarse Sediment Conveyor Belt: Bedload Sampling and Modeling Results, and River Rehabilitation Management Implications

Miller, P. and G.M. Kondolf

University of California, Berkeley 94720-2000

pmiller@nature.berkeley.edu

Channel Response to Dam Removal, Clear Creek, California



Miller, R.L.

United States Geological Survey, 6000 J Street,
Placer Hall, Sacramento, CA 95819
romiller@usgs.gov

*Channel Response to Dam Removal, Clear Creek,
California*

Mitchell¹, D. and M. Dickinson²

¹M.Cubed, 5358 Miles Ave, Oakland, CA 94618
²California Urban Water Conservation Council,
455 Capitol Mall, Ste 703, Sacramento, CA 95814
mitchell@mcubed-econ.com

*Counting the Savings: A Water Savings Calcula-
tion Model for California's Urban Water Conser-
vation BMPs*

Monsen¹, N.E., J.R. Burau², and J.E. Cloern¹

¹U.S. Geological Survey (USGS), 345 Middlefield
Rd MS/496, Menlo Park, CA 94025
²USGS Sacramento, Placer Hall, 6000 J Street,
Sacramento, CA 95819-6129
nemonsen@usgs.gov

*Water Diversion as an Ecosystem Disturbance:
Four Examples from the Delta*

Moore, J.

California Bay-Delta Authority
650 Capitol Mall, 5th Flr, Sacramento, CA 95814
johnniem@calwater.ca.gov

CALFED Science in the Anthropocene

**Morgan, S.G., T. Visintainer, S. Spilseth,
G. Cherr, A. Briden, L. Judah, E. Fairbairn,
and S. Walsh**

University of California-Davis, Bodega Marine
Laboratory, P.O. Box 247, Bodega Bay, CA 94923
sgmorgan@ucdavis.edu

*Lined Shore Crab as an Indicator of Reproductive
Impairment in Wetlands*

Mount, J.F.

Center for Integrated Watershed Science and
Management, University of California, Davis, CA
95616
mount@geology.ucdavis.edu

*Subsidence, Sea Level Rise and Seismicity: Hell
and High Water in the Delta*

Moyle, P.B.

Center for Integrated Watershed Science and
Management, University of California, Davis, One
Shields Ave, Davis, CA 95616
pbmoyle@ucdavis.edu

The Future of California's Inland Fishes

**Müller-Solger^{1,2}, A.B., S.F. Kuok¹, K.A. Ger¹, E.D.
Grosholz, and C.R. Goldman¹**

¹Department of Environmental Science and
Policy, 1 Shields Avenue, University of California,
Davis, CA 95616
²Division of Environmental Services,
CA Department of Water Resources,
3251 S-Street, Sacramento, CA 95816
amueller@water.ca.gov

*Bioavailability and Nutritional Quality of Organic
Matter in a Cosumnes River Floodplain*

Mumley, T.E., B.J. Johnson, and R.E. Looker

San Francisco Bay Regional Water Quality
Control Board, 1515 Clay Street, Suite 1400,
Oakland, CA 94612
tem@rb2.swrcb.ca.gov

*San Francisco Bay Mercury TMDL - A Science-
Based Adaptive-Implementation Strategy*

Najm¹, I.N., S. Teefy², and L. Hidas³

¹Water Quality & Treatment Solutions, Inc.,
9814 Penfield Avenue, Chatsworth, CA 91311
²Water Quality & Treatment Solutions, Inc., 18914
Walnut Road, Castro Valley, CA 94546 ³Alameda
County Water District, 43885 South Grimmer Blvd.,
Fremont, CA 94538
issam.najm@wqts.com

*Minimizing Bromate Formation in Ozonated State
Project Water Using Carbon Dioxide*

Najm¹, I.N. and J. Meyerhofer²

¹WQTS, Inc., 9814 Penfield Avenue, Chatsworth,
CA 91311
²Carollo Engineers, Inc., 10540 Talbert Avenue,
Ste. 200 East, Fountain Valley, CA 92708
issam.najm@wqts.com

*Treating California State Project Water to Meet
Future Regulations - Engineering & Economic
Implications*

Nelson, D.C., E.J. Fleming and N. Sunseri

Section of Microbiology, Division of Biological
Sciences, Briggs Hall, University of California,
Davis, CA 95616
dcnelson@ucdavis.edu

*Mercury Accumulation in Crabs as an Indicator
of Integrated Hg-Bioavailability in Northern
California Estuaries*

**Newton, J.M., M.R. Brown,
and S.L. Giovannetti**

USFWS, Red Bluff Fish & Wildlife Office, 10950
Tyler Road, Red Bluff, CA 96080 Jess_
Newton@r1.fws.gov

*Clear Creek Stream Channel Restoration: Habitat
Use of a Large-Scale Restoration Project by
Chinook Salmon*

**Nichols¹, R., K. Nelson², C. Kjeldsen³,
and J. Hart⁴**

¹EDAW, Inc., 150 Chestnut Street,
San Francisco, CA, 94111
²Department of Water Resources,
Delta Levees, 901 P Street, 3rd Floor,
Sacramento, CA 95404
³Sonoma State University, 923 St. Helena,
Santa Rosa, CA 95404
⁴Hart Restoration, Inc.
13737 Grand Island Road, Walnut Grove, CA,
nicholsr@edaw.com

*New Bioengineering Techniques Prove Success-
ful in Restoration of the Delta In-Channel Islands*

**Nielsen, J.L., S. Pavay, T. Wiacek,
and I. Williams**

USGS Alaska Science Center, 1011 East Tudor
Road, Anchorage, AK 99503
jennifer_nielsen@usgs.gov

*Microsatellite Analyses of Central Valley Trout
Populations, 1999-2003*

**Nobriga¹, M.L., F. Feyrer¹, R. Baxter²,
and M.C. Chotkowski³**

¹California Department of Water Resources
(DWR), 3251 S Street, Sacramento, CA 95816
²California Department of Fish and Game (DFG),
4001 North Wilson Way, Stockton, CA 95205
³U.S. Bureau of Reclamation (USBR),
2800 Cottage Way, Sacramento, CA 95825
mnobriga@water.ca.gov

*Lurking in the Shallows: Ecology of Piscivorous
Fishes in Nearshore Habitats of the Sacramento-
San Joaquin Delta*

Null, R.E., K.S. Niemela, and K.E. Offill

U.S. Fish and Wildlife Service (USFWS), 10950
Tyler Road, Red Bluff, CA 96080
Robert_Null@r1.fws.gov

*Evaluation of the Supplementation Program at
Livingston Stone NFH Using the Winter Chinook
Salmon Escapement Survey*

**Nur, N., G.R. Geupel, G. Ballard, T. Gardali,
A.L. Holmes, and D. Stralberg**

PRBO Conservation Science, 4990 Shoreline
Highway, Stinson Beach, CA 94970
nnur@prbo.org

*Diversity and Abundance of Riparian Birds in the
Central Valley: Identifying and Evaluating Indica-
tor Species*

Odenweller, D.B.

NOAA Fisheries, 650 Capitol Mall, Room 8-300,
Sacramento, CA 95814
Dan.Odenweller@noaa.gov

*History, Fishery Investigations of Clifton Court
Forebay, Contra Costa County, California*

O'Malley, K.G. and M.A. Banks

Hatfield Marine Science Center, Oregon State
University, 2030 SE Marine Science Drive
Newport, Oregon 97365
kathleen.omalley@oregonstate.edu

*Understanding the Genetic Basis of Migra-
tion Timing in Chinook Salmon, *Oncorhynchus*
*tshawytscha**

Ongerth¹, J.E., S. Khan², and H.Lai¹

¹EBMUD, 375 11th St., Oakland CA, 94607
²Civil & Environ. Engineering, Univ. of Wollon-
gong, Wollongong, NSW, Australia
jongerth@ebmud.com

*Emerging Contaminants--What They Mean to
Public Water Supply*

Orr¹, B.K., N.P. Hume¹, and T.J. Ford²

¹Stillwater Sciences,
2855 Telegraph Ave. Suite 400, Berkeley, CA 94705
²Turlock Irrigation District,
333 East Canal Drive, Turlock CA 95380
bruce@stillwatersci.com

*Evaluating the Effects of Flow on Aquatic Inverte-
brate Communities in the Lower Tuolumne River,
California*

Ostrach D.J., J.M. Low, S.J. Whiteman, and J.G. Zinkl

Department of Pathology, Microbiology & Immunology, School of Veterinary Medicine, University of California at Davis, Davis, CA 95616

djostrach@ucdavis.edu

Maternal Transfer of Xenobiotics and Effects on Larval Striped Bass in the San Francisco Estuary

Parchaso, F. and J. Thompson

U.S. Geological Survey (USGS), Menlo Park, 345 Middlefield Rd. Mail Stop 496. Menlo Park, CA 94025

parchaso@usgs.gov

Distribution and Grazing Potential of Corbicula fluminea in the Sacramento-San Joaquin Delta

Pasternack¹, G.B., J. Wheaton^{1,2}, J. Merz^{1,3}, E. Elkins¹, R. Brown¹, and H. Moir¹

¹University of California at Davis (UCD), 211 Veihmeyer Hall, LAWR, Davis, CA 95616

²University of Southampton, School of Geography, 1019 Shackleton Building, Southampton SO17 1BJ, UK

³EBMUD, 1 Winemasters Way, Suite K, Lodi, CA 95240

gpast@ucdavis.edu

Hypothesis-Driven River Rehabilitation on Three Californian Streams

Pawley, A. and C. Swanson

The Bay Institute, 500 Palm Drive, Suite 200. Novato, CA 94949

pawley@bay.org

The Ecological Scorecard: Refinements for Finer Scale Bay Delta Assessment

Pearce, S.

San Francisco Estuary Institute (SFEI), 7770 Pardee Lane, 2nd Floor, Oakland, CA 94621

sarahp@sfei.org

Influence of Landslides on Water Quality and Aquatic Habitat in Selected Creeks in the Bay-Delta Watershed

Peterson¹ H.A. and M. Vayssières²

¹U.S. Geological Survey (USGS), 345 Middlefield Rd. Mail Stop 496, Menlo Park, CA 94025 ²California Department of Water Resources, Department of Environmental Services (DWR, DES) 3251 'S' Street, Sacramento, CA, 95816

hapeters@usgs.gov

Using Long-Term Benthic Monitoring Data to Inform Restoration

Pittman¹, S.A. and W.V.G. Matthews²

¹M.S. Graham Matthews and Associates 1P.O. Box 291, Samoa, CA 95564

²P.O. Box 1516, Weaverville, CA 96093

snokey@gmahydrology.com

Geomorphic Monitoring of Phase 3A of the Lower Clear Creek Floodplain Rehabilitation Project

Platenkamp¹, G.A.J., K. Rood², and T. Lunt³

¹Jones & Stokes, 2600 V Street Sacramento, CA 95818.

²Northwest Hydraulic Consultants, 3950 Industrial Blvd., #100C, West Sacramento, CA 95691

³Sloughhouse Resource Conservation District and Cosumnes River Task Force 9701 Dino Dr., Suite 170, Elk Grove, CA 95624

gplatenkamp@jsanet.com

Channel Conditions and Sediment Dynamics in the Cosumnes River Watershed

Rajbhandari, H.L.

California Dept. of Water Resources, 1416 Ninth Street, CA 95814

hari@water.ca.gov

Dissolved Oxygen and Temperature Studies of the In-Delta Storage Project

Redmond, K.T.

Western Regional Climate Center, Desert Research Institute, 2215 Raggio Parkway, Reno, NV 89512

kelly.redmond@dri.edu

Design Considerations for a High Elevation Climate Monitoring Network in Support of CalFED

Reed, D.J. (on behalf of the BREACH I and II teams)

University of New Orleans, New Orleans, LA 70148

djreed@uno.edu

Breaching Levees: Conceptual Models of Restoration Outcomes along the Bay-Delta Estuarine Gradient

Reed, D.J.

Department of Geology & Geophysics, University of New Orleans, New Orleans LA 70148

djreed@uno.edu

Flood Control that Leaks and Dredging that Matters: Making Ecosystem Restoration Work in the Real World

Reeves¹, K.A. and J. Brodie²

¹East Bay Municipal Utility District, Fisheries and Wildlife Division, 1 Winemaster Way, Suite K2, Lodi, CA 95240 ²San Joaquin County Resource Conservation District, 3422 W. Hammer Lane, Suite A, Stockton, CA 95219

kreeves@ebmud.com

Building Collaborative Partnerships to Restore Riparian Habitat: The Lower Mokelumne River Watershed Stewardship Program

Rockriver, A.K.

California Department of Fish and Game, 4001 N. Wilson Way, Stockton, CA 95205

arockriver@delta.dfg.ca.gov

Shallow Water Habitat Creation: Do No Harm?

Running-Grass

U.S. Environmental Protection Agency, Region 9, 75 Hawthorne Street, San Francisco, CA 94105

Grass.Running@epamail.epa.gov

Addressing Environmental Justice Concerns in Scientific Environmental Policy Discourses

Rust¹, T.G., C.E. Spencer², and L.D.Brekke¹

¹U.S. Bureau of Reclamation, Mid-Pacific Region, 2800 Cottage Way, Sacramento, CA 95825 ²5916 Sarah Court, Carmichael, CA 95608

trust@mp.usbr.gov

Environmental Water Account (EWA) - Managing Uncertainty to Achieve Success

Rytuba¹, J.J., R.L. Hothem², J.T. May³, and R.P. Ashley¹

¹U.S. Geological Survey (USGS), Menlo Park 345 Middlefield Road, Mail Stop 901 Menlo Park, CA 94025

²U.S. Geological Survey (USGS), Dixon, 6924 Tremont Road, Dixon, CA 95620

³U.S. Geological Survey (USGS), Sacramento 6000 J Street, Placer Hall Sacramento, CA 95819-6129

jrytuba@usgs.gov

Minimizing Mercury Mobility and Methylation in the Clear Creek and Trinity River Restoration Projects, California

Salvia, S.A.

Contra Costa Water District, 2411 Bisso Lane, Concord, CA 94524-2099

ssalvia@ccwater.com

Challenges Facing Drinking Water Utilities

Schroeter, R.E., and Moyle, P.B.

University of California, Davis (UCD) Wildlife Fish, and Conservation Biology One Shields Avenue Davis, CA 95616

reschroeter@ucdavis.edu

Brackish Tidal Marsh in the San Francisco Estuary: The Other Shallow Water Habitat

Sereno, D.M. and M.T. Stacey

University of California at Berkeley Civil and Environmental Engineering Hearst Field Annex #B Berkeley, CA 94720-1710

sereno@berkeley.edu

The Influence of Submerged Aquatic Vegetation on the Hydrodynamics in Franks Tract - Observations and Modeling

Shilling, F.M.

University of California One Shields Ave., Davis, CA, 95616

fmshilling@ucdavis.edu

Geographic and Demographic Distribution of Anglers and Mercury in Bay-Delta Fish

Siegel¹, S.W., P. Bachand¹, J. Lowe⁷,
N.M. Kelly², D. Stralberg⁵, V.T. Parker³,
J. Callaway⁶, M. Vasey³, N. Nur⁵, G. Page⁵,
J.N. Collins⁶, M. May⁶, S. Bollens³,
C. Simenstad⁴, E. Carpenter³, R. Dugdale³,
and F. Wilkerson³

¹Wetlands and Water Resources (WWR),
1010 B St., Suite 425, San Rafael, CA 94901
²University of California at Berkeley, 145 Mulford
Hall #3114, Berkeley, CA 94720-3114
³San Francisco State University (SFSU), Biology,
1600 Holloway, San Francisco, CA 94132
⁴University of Washington (UW), Box 355020,
Seattle, WA 98195
⁵PRBO Conservation Science (PRBO),
4990 Shoreline Hwy, Stinson Beach, CA 94970
⁶San Francisco Estuary Institute (SFEI),
7770 Pardee Lane, 2nd Floor, Oakland, CA 94621
⁷Philip Williams and Associates (PWA),
720 California St, #600, San Francisco, CA 94108
⁸University of San Francisco (USF),
2130 Fulton Street, San Francisco, CA 94117
stuart@swampthing.org

*Integrated Regional Wetland Monitoring Pilot
Project – Overall Project Purpose and Conceptual
Models*

Silveira¹, J.G., F.T. Griggs², D.S. Eiseff²,
H.L. Swagerty², R.A. Luster³, G.H. Golet³,
F.L. Thomas⁴, and J.H. Anderson⁵

¹US Fish and Wildlife Service
Sacramento National Wildlife Refuge Complex
752 County Road 99 W, Willows CA, 95988
²River Partners, 539 Flume St, Chico, CA, 95928
³The Nature Conservancy, Sacramento River
Project, 500 Main St, Suite B, Chico, CA, 95928
⁴CERUS Consulting
766 East Avenue, Suite C, Chico, CA, 95926
⁵Hedgerow Farms
21740 County Road 88, Winters, CA, 95694
joe_silveira@r1.fws.gov

*Five Years of Native Grass Restoration at Sacra-
mento National Wildlife Refuge Complex*

Simenstad, C.A. (on behalf of the BREACH I and II teams)

Wetland Ecosystem Team, School of Aquatic and
Fishery Sciences, Box 355020, College of Ocean
and Fishery Sciences, University of Washington,
Seattle, Washington 98195-5020

simenstd@u.washington.edu

*Breaching Levees: Variation in Responses and
Predictions across the Bay-Delta Gradient*

Slotton, D.G., S.M. Ayers, and R.D. Weyand

University of California at Davis (UC Davis)
Dept. of Environmental Science and Policy
1 Shields Ave, Davis, CA 95616
dgslopton@ucdavis.edu

*The Role of Biosentinel Organisms in the Mercury
Strategy: Performance Measures of Restoration
and Remediation*

Snowden, V.L.

5045 Glenwood #3, Mission, KS 66202
snowden.vicky@epa.gov

*Hydrologic Alterations to the Sacramento River
and the Effects on Cottonwood Seedlings*

Snyder^{1,2}, N.P., C.N. Alpers³, J.R. Childs⁴,
J.A. Curtis³, L.E. Flint³, C.W. Holmes⁵,
D.M. Rubin¹, and S.A. Wright⁶

¹USGS, 400 Natural Bridges Drive,
Santa Cruz, CA 95060
²Department of Geology and Geophysics,
Boston College, 140 Commonwealth Ave.,
Chestnut Hill, MA 02467
³USGS, Placer Hall, 6000 J Street,
Sacramento, CA 95819
⁴USGS, MS 999, 345 Middlefield Road,
Menlo Park, CA 94025
⁵USGS, 600 Fourth Street South,
St. Petersburg, FL 33701
⁶USGS, 2255 N. Gemini Drive, Flagstaff, AZ 86001
noah.snyder@bc.edu

*Rates and History of Sediment Accumulation
Behind Englebright Dam*

**Sommer, T.R., W. Harrell, M. Nobriga,
and F. Feyrer**

California Department of Water Resources,
3251 S Street, Sacramento, CA 95816
tsommer@water.ca.gov

*Alien Shrimp Invaders:
Tails from the Yolo Bypass Floodplain*

**Souza¹, J., G. Treber², T. Griggs³,
and N. Schwertman⁴**

¹Souza Environmental Solutions, P.O. Box 343, Los
Molinos, CA 96055
²Terrestrial Connections, 16045 Forest Ranch Rd.,
Forest Ranch, CA 95942
³River Partners, 539 Flume St., Chico, CA 95929
⁴Department of Mathematics and Statistics,
California State University, Chico (CSUC), Chico,
CA 95929
jeffsouza@earthlink.net

*Response of Active and Passive Riparian Revege-
tation on Dredge Tailing-Constructed Floodplains,
Clear Creek, Shasta County, California*

Spautz, H. and N. Nur

PRBO Conservation Science,
4990 Shoreline Hwy, Stinson Beach, CA 94970
hspautz@prbo.org

*Impacts of Non-Native Pepperweed on
San Francisco Bay Area Tidal Marsh
Bird Populations*

Spens¹, R.O., T.C. Foin¹, and A.K. Miles²

¹University of California Davis
1 Shields Ave., Davis, CA 95616
²USGS Western Ecological Research Center
1 Shields Ave., Davis, CA 95616
rospenst@ucdavis.edu

*Salinity Effects on Perennial Pepperweed Recruit-
ment in California Tidal Wetlands*

Stein, D.S.

California Department of Fish and Game
4001 North Wilson Way, Stockton, CA 95205
dstein@delta.dfg.ca.gov

*Movements of Adult Chinook Salmon in Response to
Flow in the Sacramento-San Joaquin Delta*



Stella^{1,2}, J.C., J.J. Battles¹, B.K. Orr², and J.R. McBride¹

¹Department of Environmental Science, Policy, and Management, University of California, Berkeley, 151 Hilgard Hall, Berkeley, CA 94720 ²Stillwater Sciences, 2855 Telegraph Ave., Suite 400, Berkeley, CA 94705

stella@stillwatersci.com

Seed Release Patterns of Native Riparian Trees and Implications for Flow-Based Restoration Strategies

Stewart¹, A.R., S.N. Luoma¹, and K.A. Hieb²

¹U.S. Geological Survey, 345 Middlefield Road, Menlo Park, CA 94025
²California Dept of Fish and Game, Central Valley Bay-Delta Branch, 4001 N. Wilson Way, Stockton, CA 95205

arstewart@usgs.gov

Stable Isotopes Unravel the Mystery of Intraspecific Contaminant Variability in Top Predators in San Francisco Bay

Stewart¹, I.T., D.R. Cayan^{1,2}, and M.D. Dettinger^{2,1}

¹Scripps Institution of Oceanography, 9500 Gilman Dr. La Jolla, CA, 92093-0224
²U.S. Geological Survey, San Diego, CA 92093

istewart@meteora.ucsd.edu

Temperature-Driven Advances in Snowmelt-Derived Streamflow Timing throughout Western North America Could Impact Water Supplies for California

Sustaita^{1,2}, D., L. Barthman-Thompson¹, P. Quickert³, L. Patterson³, and S. Estrella¹

¹CA Dept. of Fish and Game, Central Valley Bay-Delta Branch, 4001 N. Wilson Way, Stockton, CA 95205
²CSU Northridge, Dept. of Biology, 18111 Nordhoff St., Northridge, CA 91330-8303
³CA Dept. of Water Resources, Division of Environmental Services, 1725 23rd Street, Suite 220, Sacramento, CA 95816

dsustaita@delta.dfg.ca.gov

Annual Salt Marsh Harvest Mouse Demography and Habitat Use in Suisun Marsh Conservation Areas

Swagerty, H.L., F.T. Griggs, D. Efseaff, P. Kirk, and M. Cederborg

River Partners, 539 Flume Street, Chico, CA 95928
hswagerty@riverpartners.org

Successful Riparian Restoration Results in Increasing Valley Elderberry Longhorn Beetle Colonization

Swanson¹, C., S.N. Chun¹, L.T. Kanemoto¹, A. Kawabata¹, T. MacColl¹, P.S. Young¹, J.J. Cech, Jr.¹, and D.B. Odenweller²

¹Department of Wildlife, Fish, and Conservation Biology, Univ. of California, Davis, CA 95616
²NOAA Fisheries, 650 Capitol Mall, Suite 8-300, Sacramento, CA 95814

cswanson@ucdavis.edu

Integrating Multiple Datasets to Estimate Entrainment Loss of Fishes

Swanson, C. and A. Pawley

The Bay Institute, 500 Palm Drive, Suite 200, Novato, CA 94949

swanson@bay.org

Assessing Chinook Salmon Population Status Using a Multi-Metric Index

Swenson¹, R. and G. Golet²

¹The Nature Conservancy (TNC), 2015 J Street, Suite 103, Sacramento, CA 95814
²The Nature Conservancy (TNC), Northern Central Valley Office, Chico, CA 95928

rswenson@tnc.org

Identifying Indicators of Ecosystem Health and Measures of Restoration Effectiveness for the Sacramento and Cosumnes Rivers

Taplin¹, W.A., J.H. Borchardt¹, K.L. Mercer¹, and D. Okita²

¹MWH, 1340 Treat Blvd., Ste 300, Walnut Creek, CA 94597
²Solano County Water Agency, 508 Elmira Road, Vacaville, CA 95687

william.taplin@mwhglobal.com

Advanced Pretreatment Using Ion Exchange for Organic Carbon Removal from Delta Water

Tillis, R.K.

Hultgren-Tillis Engineers, 2056 Commerce Avenue, Concord, CA 94520

tillis@hultgrentillis.com

Deformation of Delta Levees

Titus, R.G., M.C. Volkoff, and E.E. Akaaboune

California Department of Fish and Game, Stream Evaluation Program, 8175 Alpine Avenue, Suite F, Sacramento, CA 95826

rtitus@dfg.ca.gov

Life History Diversity in Sacramento River Steelhead

Toy^{1,2}, N.A., K.S. Tung¹, and S.P. Andrews¹

¹University of California, Berkeley (UCB), 301 Campbell Hall, Berkeley, CA 94720
²1812A Martin Luther King Jr. Way, Berkeley, CA 94709

alisntoy@yahoo.com

The Effectiveness of Controlling Eichhornia crassipes Growth with Mechanical Methods

Trulio, L.A.

Department of Environmental Studies, San Jose State University, San Jose, CA 95192-0115

ltrulio@earthlink.net

Science-Based Planning for the South Bay Salt Pond Restoration Project

Ustin, S.L., M. Lay, L. Li, and E. Tom

University of California, Davis CA 95616

slustin@ucdavis.edu

Remote Sensing of Wetland Conditions in West Coast Salt Marshes

Van Nieuwenhuyse¹, E.E. and R.A. Dahlgren²

¹US Bureau of Reclamation, 2800 Cottage Way, MP-150, Sacramento CA 95825

²LAWR, One Shields Avenue, PES 3134, University of California Davis, CA 95616

evannieuwenhuyse@mp.usbr.gov

Phosphorus Load Reduction Goals for the San Joaquin River Near Vernalis

Vayssières, M.P.

Department of Water Resources (DWR), 3251 S Street, Sacramento, CA 95816

marcv@water.ca.gov

Ensuring Water Quality Data Comparability by Integrating Metadata in the Database

Vincik, R.V.

California Department of Fish and Game (CDFG), 4001 North Wilson Way, Stockton, CA 95205

rvincik@delta.dfg.ca.gov

Fish Passage Studies at the Suisun Marsh Salinity Control Gates in Montezuma Slough

Walker, I.D., L.A. Ujihara, S. Jones, S. Lee, and E. Weiss

Department of Health Services, Environmental Health Investigations Branch, 1515 Clay Street, Suite 1700, Oakland, CA 94612

aujihara@dhs.ca.gov

Environmental Justice from Design to Message

Webber^{1,2}, J.D., S.N. Chun¹, E.K. Anderson³, M.L. Kavvas³, M. McGee Rotondo⁴, R. Churchwell⁴, R. Padilla⁴, C. Wilkinson⁴, and J.J. Cech, Jr.¹

¹Department of Wildlife, Fish, and Conservation Biology, University of California, Davis (UCD), 1 Shields Avenue, Davis, CA 95616

²Department of Biology, San Diego State University (SDSU), 5500 Campanile Drive, San Diego, CA 92182

³Department of Civil and Environmental Engineering, UCD

⁴Division of Environmental Services, California Department of Water Resources (DWR), 3251 S Street, Sacramento, CA 95816

jwebber@rohan.sdsu.edu

Facilitating Adult Sturgeon Passage in the Sacramento-San Joaquin Watershed, Towards Increased Spawning Opportunities and Population Rehabilitation

Werner I., K.J. Eder, M. Clifford and R.P. Hedrick

University of California, Davis, CA

iwerner@ucdavis.edu

Effects of Chlorpyrifos and Esfenvalerate on Juvenile Chinook Salmon

Weston, D.P. and E.L. Amweg

University of California, 3060 Valley Life Sciences Bldg., Berkeley, CA 94720-3140

dweston@berkeley.edu

Debunking the Myths Surrounding Pyrethroid Pesticides: Misconceptions on Their Use, Measurement and Ecological Effects

Wiener¹, J.G., C.C. Gilmour², D.P. Krabbenhoft³, C.N. Alpers⁴, and M. Stephenson⁵

¹Univ. of Wisconsin-La Crosse, River Studies Center, 1725 State St., La Crosse, WI 54601

²The Academy of Natural Sciences, Estuarine Research Center, 10545 Mackall Rd., St. Leonard, MD 20685

³U.S. Geological Survey (USGS), 8505 Research Way, Middleton, WI 53562

⁴USGS, Placer Hall, 6000 J St., Sacramento, CA 95819-6129

⁵California Department of Fish and Game, Moss Landing Marine Laboratories, 7544 Sandholt Rd., Moss Landing, CA 95039

wiener.jame@uwflox.edu

A Unifying Framework for Science, Management, and Ecological Restoration in a Mercury-Contaminated Ecosystem

Wiener, J.G.

University of Wisconsin-La Crosse, River Studies Center, 1725 State Street, La Crosse, WI 54601

wiener.jame@uwflox.edu

Degradation of Fishery Resources by Bioaccumulative Contaminants: Prospects for Reducing Contamination and Human Exposure

Williams, J.

875 Linden Lane, Davis, CA 95616

Thoughts on Monitoring Central Valley Salmon and Steelhead

Williamson, K.S. and B. May

Genomic Variation Lab, 2403 Meyer Hall, Dept. of Animal Science, University of California, One Shields Ave., Davis, CA 95616

kswilliamson@ucdavis.edu

Apparent Alteration of Sexual Differentiation of Fall-Run Chinook Salmon in the Central Valley

Wirka, J.L.

Audubon California Landowner Stewardship Program, 5265 Putah Creek Road, Winters, CA 94594

jwirka@audubon.org

Short-Term Monitoring Results and Their Implications for Native Grassland Restoration Projects Implemented on Private Lands

Wolf¹, K.J., D.S. Siedband¹, and G. Golet²

¹Wolf and Associates, 724 N Street, Davis CA, 95616

²The Nature Conservancy Sacramento River Project, 500 Main Street Chico, CA 95928

kevin@wolfandassociates.com

Watershed Web Portal Libraries

Wood¹, A.W., R. Bernknopf¹, J. Rytuba¹, D. Singer¹, R. Champion¹, and W. Labiosa²

¹U.S. Geological Survey (USGS)

345 Middlefield Road, Menlo Park, CA 94025

²Stanford University, Stanford, CA 94305

awood@usgs.gov

USGS Adaptive Management Approach for Mitigating Mercury Sources Under TMDL Guidelines

Wood, J., N. Nur, and G.R. Geupel

PRBO Conservation Science, 4990 Shoreline Highway, Stinson Beach, CA 94970

jwood@prbo.org

Using Birds to Evaluate Riparian Restoration at Multiple Sites in the San Joaquin Valley/Delta Region

Wright¹, S.A., and D.H. Schoellhamer²

¹U.S. Geological Survey, 2255 North Gemini Drive, Flagstaff, AZ 86001

²U.S. Geological Survey, Placer Hall, 6000 J Street, Sacramento, CA 95819

sawright@usgs.gov

Suspended-Sediment Transport Where Rivers Become an Estuary: Sacramento-San Joaquin River Delta, Water Years 1999-2002

Zanoli¹, M.J., J.O. Sickman², and W.J. McCune¹

¹Office of Water Quality, Division of Environmental Services, California Department of Water Resources, P.O. Box 942836, Sacramento, CA 94236-0001

²Department of Geology and Geophysics, University of New Orleans, New Orleans, LA 70148

zanoli@water.ca.gov

Organic Carbon Loading to the Sacramento River from a Rapidly Urbanizing Watershed in Sacramento's Metropolitan Area

Zuckerman, T.M.

Central Delta Water Agency, 2200 W. Forest Lake Road, Acampo, CA 95220

tmz@talavera.us

Delta Levee Emergency Response Planning in Light of Jones Tracts Flood



Credits

Michael Kiparsky, Writer and Editor

Darren Campeau, Designer, www.dcampeau.com

Maiko Furusawa, Production Artist

Notetakers

Session Title	Note Taker(s)
Plenary Session	Ellie Ely (Freelance Writer)
Fish Protection	Kristen Honey (CBDA)
Central Valley Salmonids	Kristen Honey (CBDA) and Paola Bouley (SFSU-RTC)
Native and Resident Fishes	Michael Kiparsky and Zach Hymanson (CBDA)
Lessons From Jones Tract	Patricia Chambers (SFEI)
Floodplains and Riparian Systems	Pat Coulston (DFG) and Robyn Myers (USDA)
Watershed Perspectives	Michael Kiparsky (CBDA) and Robyn Myers (USDA)
Big Rivers, Big Dams	Jill Marshall (CBDA) and Basma Mohammad (SFSU-RTC)
Key Species and Communities	Ladd Lougee (CBDA)
Indicators Of Wetland Condition	Amy Hutzel (CCC) and John Durand (SFSU-RTC)
Re-emergence Of Shallow Water Habitats	Claire Tomkins (Stanford)
Physical Controls On Habitats	John Durand (SFSU-RTC)
Effects Of Non-native Invasive Species	Robyn Myers (USDA)
Restoring Native Grasslands	Robyn Myers (USDA) and Deirdre Crawford (SFSU-RTC)
Mercury	Chris Pincetich (UC Davis)
Drinking Water Quality: Protection	Margie Lopez Read (SWRCB)
Drinking Water Quality: Delta	Miranda Fram (USGS)
Drinking Water Quality: Treatment	Miranda Fram (USGS)
Drinking Water Quality: Watersheds	Margie Lopez Read (SWRCB)
Contaminants: Sources and Effects	Chris Pincetich (UC Davis)
Water and Sediment Quality	Miranda Fram (USGS)
Storing and Sharing Environmental Data	Ingrid Hogle (UC Davis)
Integrating Science and Management	Patricia Chambers (SFEI)
Data, Advocacy, and EJ	Patricia Chambers (SFEI) and Angela McIntire (UC Davis/CBDA)
Water Supply	Rebecca Boyer (DWR)
Climate	Claire Tomkins (Stanford)

We acknowledge the support and collaboration of the Department of the Interior, U.S. Geological Survey, and the Association of Bay Area Governments/San Francisco Estuary Project under Cooperative Agreement No. 01WRA00062.

Uncredited photos courtesy of Department of Water Resources, Sacramento.

Printed on recycled paper using soy-based inks.

